Statement of Basis of the Federal Operating Permit

Firestone Polymers, LLC

Site Name: Firestone Orange Plant
Physical Location: 5713 FM Road 1006
Nearest City: Orange
County: Orange

Permit Number: O1271
Project Type: Minor Revision

Standard Industrial Classification (SIC) Code: 2822
SIC Name: Synthetic Rubber (Vulcanizable Elastomers)

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document may include the following information:

A description of the facility/area process description;
A description of the revision project;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: February 28, 2017

Operating Permit
Basis of Determination

Description of Revisions
The permit document was revised as follows:
The MACT DDDDD applicable requirements were added to existing boiler E-B110.

Special Term and Condition 1.E requiring codification of MACT DDDDD requirements in the permit was deleted since the applicability was added to unit E-B110.

Correspondingly MACT DDDDD was incorporated into 30 TAC Chapter 113 by modifying Special Term and Condition 1.F. (re-identified as term 1.E after the deletion).

The MACT ZZZZ requirements for firewater pump engines E-PE802B and E-PE822 were corrected. HAP requirements under §63.6602- Table 2c.1 were replaced with CO requirements under §63.6602-Table 2c.4.

PBR 106.412 and SE 103 were added to the NSR authorization references table.

Applicable requirements for MACT U for storage tank DF-137 (Cyclohexane Storage) were added and the permit shield for the tank was removed.

Permit Area Process Description
The rubber plant manufactures polybutadiene, butadiene-styrene, and isoprene-styrene copolymers. Solvents (cyclohexane and hexane) are purchased from outside vendors and stored on-site. These materials are loaded and unloaded by trucks and railcars.

Raw materials (butadiene, styrene, and isoprene) are blended with the solvents listed above in reactors. A catalyst is introduced into the mixture to start the polymerization process. Excess solvent is removed by vaporization and purified for reuse. Polymer is then dried by dryers and formed and packaged.
Front-end vents are routed to through a closed-vent system that is routed to the West and South flares.

Back-end vents, including dryers and one oil/water separator, vent to thermal oxidizers. All other units at the plant vent to flares.

FOPs at Site
The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Source Pollutants
The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, NOX, HAPS, CO

Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires

adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements
    - Compliance Requirements
    - Protection of Stratosphere Ozone
    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with

applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the "index number," detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed before or after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10,

1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3.A for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.

24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility
When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored.

Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
EG-901	30 TAC Chapter 117, Subchapter B	R117-1	Horsepower Rating = HP is greater than or equal to 300 RACT Date Placed in Service = After June 9, 1993 and on or after the final compliance date specified in 30 TAC §§ 117.9000, 117.9010 or 117.9020	
EG-901	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.	
EG-902	30 TAC Chapter 117, Subchapter B	R117-3	Horsepower Rating = HP is greater than or equal to 300 RACT Date Placed in Service = After June 9, 1993 and on or after the final compliance date specified in 30 TAC §§ 117.9000, 117.9010 or 117.9020	
EG-902	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.	
E-PE802B	30 TAC Chapter 117, Subchapter B	R117-4	Horsepower Rating = HP is greater than or equal to 300 RACT Date Placed in Service = After June 9, 1993 and on or after the final compliance date specified in 30 TAC §§ 117.9000, 117.9010 or 117.9020	
E-PE802B	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Crankcase = The stationary CI RICE is not equipped with a closed crankcase ventilation system. HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5). Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Control Technique = Oxidation catalyst Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies. Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust. Displacement = The stationary CI RICE has a displacement less than 30 liters per cylinder and uses diesel fuel.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Monitoring System = Monitoring system other than a CPMS or CEMS Service Type = Normal use. Stationary RICE Type = Compression ignition engine	
E-PE822	30 TAC Chapter 117, Subchapter B	R117-2	Horsepower Rating = HP is greater than or equal to 300 RACT Date Placed in Service = After June 9, 1993 and before the final compliance date specified in 30 TAC §§ 117.9000, 117.9010 or 117.9020 Functionally Identical Replacement = Unit is a functionally identical replacement Type of Service = Stationary diesel engine	
E-PE822	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Crankcase = The stationary CI RICE is not equipped with a closed crankcase ventilation system. HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5). Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Control Technique = Control technique other than an oxidation catalyst Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies. Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust. Operating Limits = Using the control techniques approved in Subpart ZZZZ Displacement = The stationary CI RICE has a displacement less than 30 liters per cylinder and uses diesel fuel. Monitoring System = Monitoring system other than a CPMS or CEMS Service Type = Normal use. Stationary RICE Type = Compression ignition engine	
E-PE860	30 TAC Chapter 117, Subchapter B	R117-1	Horsepower Rating = HP is greater than or equal to 300 RACT Date Placed in Service = After June 9, 1993 and on or after the final compliance date specified in 30 TAC §§ 117.9000, 117.9010 or 117.9020	
E-PE860	40 CFR Part 60, Subpart IIII	60IIII-1	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005. Diesel = Diesel fuel is used. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder.	Removed the dependent recordkeeping citation §60.4214(d) because “the engine is not used to supply power on any contractual arrangement.”

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE that is commencing modification or reconstruction. Compliance Option = Engine certified to meet the emission standards in §60.4204(e) or §60.4205(f), as applicable. Generator Set = The CI ICE is not a generator set engine. Model Year = CI ICE was manufactured prior to model year 2007.	
E-PE860	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Brake HP = Stationary RICE with a brake HP greater than or equal to 250 HP and less than 300 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Stationary RICE Type = Compression ignition engine	
DF-104A	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
DF-104A	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-104B	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
DF-104B	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-106	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = Other than crude oil, condensate, or VOC Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare	
DF-106	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-1103	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	
DF-1103	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-1103	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-137	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons	
DF-137	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-137	40 CFR Part 63, Subpart U	63U	Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa). Emission Control Type = Fixed roof and an internal floating roof. Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111).	
DF-138	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons	
DF-138	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-138	40 CFR Part 63, Subpart U	63U	Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa). Emission Control Type = Fixed roof and an internal floating roof. Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
DF-139	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons	
DF-139	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-140	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons	
DF-140	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-142	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	
DF-142	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978 Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less	
DF-1536	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
DF-1536	40 CFR Part 63, Subpart EEEE	63EEEE	Product Stored = Organic HAP containing liquid other than crude oil.	
DF-1537	30 TAC Chapter 115, Storage of	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
	VOCs		control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
DF-1537	40 CFR Part 63, Subpart EEEE	63EEEE	Product Stored = Organic HAP containing liquid other than crude oil.	
DF-305	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
DF-305	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-305	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-332	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
DF-332	40 CFR Part 60, Subpart Kb	60KB	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
DF-332	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-339	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
DF-339	40 CFR Part 60, Subpart Kb	60KB	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters)	
DF-339	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-523	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
DF-526	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare	
DF-526	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-526	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
DF-546	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
DF-546	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
DF-546	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
F-1106	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare	
F-1106	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-617A	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-617A	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-617A	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
F-617B	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
F-617C	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
F-642	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare	
F-642	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-643A	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-643A	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-643B	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-643B	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-644A	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-644B	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-701B	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	
F-701B	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-701E	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS)	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	
F-701E	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-705	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-705	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-706	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-706	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-706	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
F-707	30 TAC Chapter	R5111	Alternate Control Requirement = Not using an alternate method for	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
	115, Storage of VOCs		demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
F-707	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-707	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
F-710A	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	
F-710A	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-710B	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
F-710B	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-730	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	
F-730	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
F-731	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare	
F-731	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
GRP-63U-G2A	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare	
GRP-63U-G2B	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			equal to 25,000 gallons	
GRP-63U-G2C	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is less than or equal to 1,000 gallons	
GRP-63U-TK25	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare	
GRP-63U-TK25	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa). Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
GRP-63U-TK40	30 TAC Chapter 115, Storage of VOCs	R5111	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Flare	
GRP-63U-TK40	40 CFR Part 63, Subpart U	63U	Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172. Vessel Type = Storage vessel or tank. Group 1 Vessel = The unit is a Group 1 vessel as defined in 40 CFR § 63.482. Bypass Lines = No bypass lines. Maximum TVP = Maximum TVP of the total organic HAP in the liquid is at least 11.11 psi (76.6 kPa).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Control Device Type = Flare. Emission Control Type = Closed vent system and control device.	
S-RAIL	30 TAC Chapter 115, Loading and Unloading of VOC	R5111	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia. Daily Throughput = Loading less than 20,000 gallons per day.	
S-RAIL	40 CFR Part 63, Subpart EEEE	63EEEE	Existing Source = Source is an existing source Transfer Operation = Transfer rack both loads and unloads organic liquids Transfer Volume = Ten million gallons or more of organic containing liquids are transferred by the organic loading distribution facility annually.	
S-TRUCK	30 TAC Chapter 115, Loading and Unloading of VOC	R5111	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia. Daily Throughput = Loading less than 20,000 gallons per day.	
S-TRUCK	40 CFR Part 63, Subpart EEEE	63EEEE	Existing Source = Source is an existing source Transfer Operation = Transfer rack both loads and unloads organic liquids Transfer Volume = Ten million gallons or more of organic containing liquids are transferred by the organic loading distribution facility annually.	
W-RAIL	30 TAC Chapter 115, Loading and Unloading of VOC	R5111	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia. Daily Throughput = Loading less than 20,000 gallons per day.	
W-TRUCK	30 TAC Chapter 115, Loading and	R5111	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
	Unloading of VOC		Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia. Daily Throughput = Loading less than 20,000 gallons per day.	
E-B110	30 TAC Chapter 117, Subchapter B	R7ICI-1	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr. RACT Date Placed in Service = On or after the final compliance date specified in 30 TAC § 117.9000. Functionally Identical Replacement = Unit is not a functionally identical replacement. Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.	
E-B110	30 TAC Chapter 117, Subchapter B	R7ICI-2	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr. RACT Date Placed in Service = On or after the final compliance date specified in 30 TAC § 117.9000. Functionally Identical Replacement = Unit is not a functionally identical replacement. Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. Fuel Type #2 = Liquid fuel. Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.	
E-B110	40 CFR Part 60, Subpart Db	60Db-1	Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a NO_x emission limit that applies specifically when the byproduct/waste is combusted. Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005. D-Series Fuel Type #1 = Natural gas. Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Continuous emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = No SO_2 monitoring. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3). Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = Other conventional technology. ACF Option - SO2 = Other ACF or no ACF. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Other ACF or no ACF. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.	
E-B110	40 CFR Part 60, Subpart Db	60Db-2	Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a NO_x emission limit that applies specifically when the byproduct/waste is combusted. Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005. D-Series Fuel Type #1 = Natural gas. D-Series Fuel Type #2 = Byproduct/waste. Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Continuous emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = No SO_2 monitoring. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3). Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = Other conventional technology. ACF Option - SO2 = Other ACF or no ACF. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Other ACF or no ACF. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.	
E-B110	40 CFR Part 63, Subpart DDDDD	63DDDDD-1	Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010.	
DM-801	30 TAC Chapter 111, Visible Emissions	R1111	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	
DM-801	40 CFR Part 60, Subpart A	60A	Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18.	
DM-801	40 CFR Part 63, Subpart A	63A	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(i). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
M-600R	30 TAC Chapter 111, Visible Emissions	R1111	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	
M-600R	40 CFR Part 60, Subpart A	60A	Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18.	
M-600R	40 CFR Part 63, Subpart A	63A	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(i). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
FLEX-FUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	Title 30 TAC § 115.352 Applicable = Site is not a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether manufacturing process nor a natural gas/gasoline processing operation as defined in 30 TAC 115.10.	
FLEX-FUG	40 CFR Part 63, Subpart U	63U-ALL	SOP Index No. = FUGITIVE UNIT HAS ALL COMPONENTS WITH THE EXCEPTION OF CLOSED VENT SYSTEMS AND CONTROL DEVICES	
DK-1801	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	
DK-801	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
DF-243	30 TAC Chapter 115, Water Separation	R5131	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.	
DK-850	30 TAC Chapter 115, Water Separation	R5131	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.	
S-SPCC	30 TAC Chapter 115, Water Separation	R5131	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator which is designed solely to capture stormwater, spills, or exterior surface cleanup waters and is fully covered.	
W-SPCC	30 TAC Chapter 115, Water Separation	R5131	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator which is designed solely to capture stormwater, spills, or exterior surface cleanup waters and is fully covered.	
CRUMB-PRO	30 TAC Chapter 115, Vent Gas Controls	R115-1	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv. 40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. Control Device Type = Vapor combustor not considered to be a flare.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. 40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.	
D-614A/B	30 TAC Chapter 115, Vent Gas Controls	R5111	Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.	
DD-1230	30 TAC Chapter 115, Vent Gas Controls	R5111	Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.	
DD-1230	40 CFR Part 63, Subpart U	63U	Existing Source = Existing source Performance Test = A prior performance test was conducted for determining compliance with a regulation promulgated by the EPA and the test was conducted using the same methods specified in 40 CFR § 63.116. Vent Stream Type = Continuous front-end process vent Alternate Monitoring Parameters = Alternate monitoring parameters have not been requested or approved. Product Type and Production Process = Product other than butyl rubber, halobutyl rubber or ethylene-propylene rubber produced by the solution process or an elastomer produced by the gas-phased reaction process. Stream Group Status = Vent stream meets the definition of Group 1 continuous front-end process vent. Alternate Continuous Monitoring Requested = An alternate continuous monitoring system has not been requested or has not been approved. By-pass Lines = The vent system does not contain by-pass lines. Control Device = Flare	
GRP-DIVENT	30 TAC Chapter 115, Vent Gas Controls	R5-001	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			VOC Concentration = VOC concentration is greater than or equal to 612 ppmv. VOC Concentration/Emission Rate @ Max Operating Conditions = Either the VOC concentration or emission rate is greater than the applicable exemption limit at maximum actual operating conditions or the alternate recordkeeping requirements of 30 TAC § 115.126(4) are not being selected.	
GRP-V-SFLR	30 TAC Chapter 115, Vent Gas Controls	R5111	Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.	
GRP-V-WFLR	30 TAC Chapter 115, Vent Gas Controls	R5111	Alternate Control Requirement = Alternate control is not used. Control Device Type = Smokeless flare Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.	
GRP-V-WFLR	40 CFR Part 63, Subpart U	63U	Existing Source = Existing source Performance Test = A prior performance test was conducted for determining compliance with a regulation promulgated by the EPA and the test was conducted using the same methods specified in 40 CFR § 63.116. Vent Stream Type = Continuous front-end process vent Alternate Monitoring Parameters = Alternate monitoring parameters have not been requested or approved. Product Type and Production Process = Product other than butyl rubber, halobutyl rubber or ethylene-propylene rubber produced by the solution process or an elastomer produced by the gas-phased reaction process. Stream Group Status = Vent stream meets the definition of Group 1 continuous front-end process vent. Alternate Continuous Monitoring Requested = An alternate continuous monitoring system has not been requested or has not been approved. By-pass Lines = The vent system does not contain by-pass lines. Control Device = Flare	
DEGREASER1	30 TAC Chapter 115, Degreasing Processes	R5412	Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = No solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Solvent Heated = The solvent is not heated to a temperature greater than 120° F. Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	
DEGREASER2	30 TAC Chapter 115, Degreasing Processes	R5412	Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = No solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Solvent Heated = The solvent is not heated to a temperature greater than 120° F. Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.	
PRO-PAINT	30 TAC Chapter 115, Surface Coating Operations	R5111	Alternate Requirements = No alternate requirement to 30 TAC §§ 115.421(a)(9) or 115.421(b)(8) has been approved or no alternate has been requested. Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested. Facility Operations = Other miscellaneous metal parts and products coating. Miscellaneous Coating Type = Extreme performance coating, including chemical milling maskants. VOC Emission Rate = Uncontrolled emission rates not qualifying for exemption from control. Vapor Recovery = No vapor recovery system is used to control emissions.	
CRUMB-PRO	40 CFR Part 63, Subpart U	63U-1	Control Device = Thermal incinerator. Research and Development = The elastomer product process unit (EPPU) is used for production. Rubber Type and Production Process = Polybutadiene rubber produced by solution process. § 63.494(a)(5) Products = The EPPU produces only an elastomer product with a residual organic HAP limitation under § 63.494. Primary Product = An elastomer is the primary product of the process unit. Back-end Process Continuous = The back-end process is continuous.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Flexible Unit = The EPPU is a flexible unit as defined in 40 CFR § 63.482. No Orgainic HAP = The EPPU manufactures a product that uses or produces an organic HAP. Prior Performance Test = A performance test meeting the criteria of 40 CFR § 63.496(b)(7)(iv) has been conducted previously. Alternate Monitoring Parameters = Monitoring parameters other than those required by § 63.497(a)(1)-(6) have not been approved or have not been requested. Existing Source = The source is an existing source. Stripping Technology = Compliance with the emission limitation in § 63.694(a) is achieved using a control device. Alternate Monitoring System = No alternate continuous monitoring system is requested. Back-end Processes = The EPPU includes back-end processes as defined in 40 CFR § 63.482. Periodic Sampling = Compliance is demonstrated using parameter monitoring. Bypass Lines = The vent system contains a by-pass line. Flow Indicator = A flow indicator is installed and operated at the entrance of the by-pass line.	
CRUMB-PRO	40 CFR Part 63, Subpart U	63U-2	Control Device = Thermal incinerator. Research and Development = The elastomer product process unit (EPPU) is used for production. Rubber Type and Production Process = Styrene butadiene rubber produced by the solution process. § 63.494(a)(5) Products = The EPPU produces only an elastomer product with a residual organic HAP limitation under § 63.494. Primary Product = An elastomer is the primary product of the process unit. Back-end Process Continuous = The back-end process is continuous. Flexible Unit = The EPPU is a flexible unit as defined in 40 CFR § 63.482. No Orgainic HAP = The EPPU manufactures a product that uses or produces an organic HAP. Prior Performance Test = A performance test meeting the criteria of 40 CFR § 63.496(b)(7)(iv) has been conducted previously. Alternate Monitoring Parameters = Monitoring parameters other than those required by § 63.497(a)(1)-(6) have not been approved or have not been requested. Existing Source = The source is an existing source. Stripping Technology = Compliance with the emission limitation in § 63.694(a) is achieved using a control device. Alternate Monitoring System = No alternate continuous monitoring system is requested. Back-end Processes = The EPPU includes back-end processes as defined in 40	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			CFR § 63.482. Periodic Sampling = Compliance is demonstrated using parameter monitoring. Bypass Lines = The vent system contains a by-pass line. Flow Indicator = A flow indicator is installed and operated at the entrance of the by-pass line.	

* - The “unit attributes” or operating conditions that determine what requirements apply
** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 2565	Issuance Date: 08/29/2007
Authorization No.: 292	Issuance Date: 02/13/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.393	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 03/14/1997
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000
Number: 51	Version No./Date: 11/05/1986
Number: 103	Version No./Date: 05/04/1994

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes

OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes